LOGSHEET FOR FIELD CHANGES TO CONTROLLED DOCUMENTS

Change Number	Date	Document Number	Document Title	Section/Page Modified	Description Of Change(s)	Responsible Manager Approval	ESH&Q Approval	Radiological Engineering Approval	Quality Assurance Approval	Completion Of ADM 2.01 Checklist	Completion Of SES/USQD Checklist
7	9-1-98	RF/RMRS-97-010	Final Site Specific Health and Safety Plan for the Source Removal at Trench 1 IHSS 108	Appendix B	Added Activity Hazard Analysis to address Sampling of Potential Uranium Hydride				9/3/97	NA	NA

[1] Affixed signatures indicate that Operations Review Committee (ORC) and/or Independent Safety Reviews are NOT applicable because Scope and Fundamental Technical Specifications were NOT changed. Also, related documents affected by the change(s) were modified accordingly.

9/1/98

TRENCH 1 SOURCE REMOVAL PROJECT
SAMPLING OF POTENTIAL URANIUM HYDRIDE
Activity Hazard Analysis
8-31-98

NOTE: This Activity Hazard Analysis is to be used in conjunction with "Trench 1 Source Removal Project General Project Hazards" Activity Hazard Analysis.

Activity	Hazard	Preventative Measures
Activities within the High Contamination Area	Potential exposure to tritium	Personnel entering the tent will wear Personal Protective Equipment (PPE) stipulated on the Radiological Work Permit. Although not a preventative measure, continuous real-time monitoring for tritium will be conducted with a Triton Model 111.
Removing lids from B-12 55 gallon drum, and old sample containers.	Explosion or fire due to hydrogen buildup	Health and safety personnel will ensure that no explosive levels of hydrogen are present in the B-12, 55 gallon drum, or old sample containers by taking real-time explosive gas readings with a Mine Safety Appliances Model Passport.
	Fire due to reaction of depleted uranium or uranium hydride with air	Immediately after removal of B-12 55 gallon drum, and old sample container lids, continuous infrared heat gun readings shall be taken on the surface of any suspected depleted uranium or uranium hydride until it has been inerted. If a fifteen degree rise in temperature is detected on the surface of any material, the material will be immediately inerted with sand. In addition, a personnel/area fire watch will be posted in the immediate work area with a 20 lb. ABC extinguisher, a 150 lb. D extinguisher, and two five gallon buckets of sand.

Activity	Hazard	Preventative Measures
General work activities around open B-12, 55 gallon drum, and old sample containers	Personal protective equipment catching on fire due to reaction of depleted uranium or uranium hydride with air	Personnel not directly involved with the actual sampling shall perform all work activities as far from potential fire sources as possible and a personnel/area fire watch will be posted as stated above.
Opening of old sample containers and obtaining new samples.	Personal protective equipment catching on fire due to reaction of depleted uranium or uranium hydride with air	In addition to the infrared heat gun monitoring and personnel/area fire watch discussed above, sample personnel shall wear Kevlar-Nomex-Glass blend 18 inch gloves during the removal of old sample lids and during sampling. Sampling from old sample containers will be carefully done using scoops and other tools and direct contact will be minimized as much as possible. **Only one old sample container will be opened, sampled, and placed into an inerted state at a time.** If immediate inerting of an old sample container is required due to a fifteen degree temperature rise, all further opening of old sample containers will be conducted by covering the unopened sample container with sand and breaking the old sample container. This method is intended to keep the contents of the old sample container in a inerted state.
Transfer of intact or non-intact old sample containers from the 55 gallon drum to the B-12 container	Personal protective equipment catching on fire due to reaction of depleted uranium or uranium hydride with air	Material from the 55 gallon drum will be manually transferred into the B-12 container using long handled shovels. Personnel shall wear Kevlar-Nomex-Glass blend 18 inch gloves during any manual handling of intact old samples.

Activity	Hazard	Preventative Measures
Placing lid on B-12	Pinch points resulting in injury or PPE damage and potential contamination	Personnel will wear heavy duty leather gloves and pay particular attention to pinch points. Two workers will be utilized to place the lid on the B-12.

Approved:	Signature	Date
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